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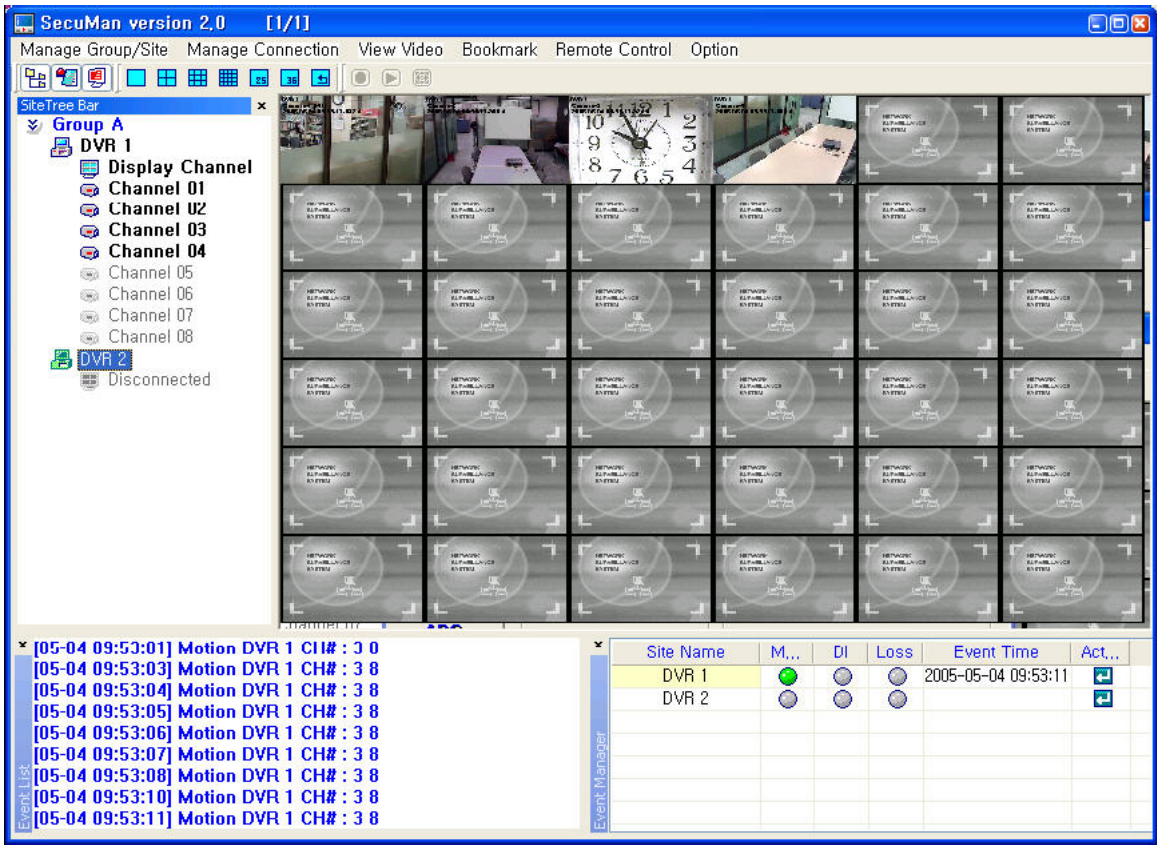
*Creating Remote Possibilities®*




# S-Series
# Multi-Site Client Software
# OPERATION MANUAL

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# Introduction

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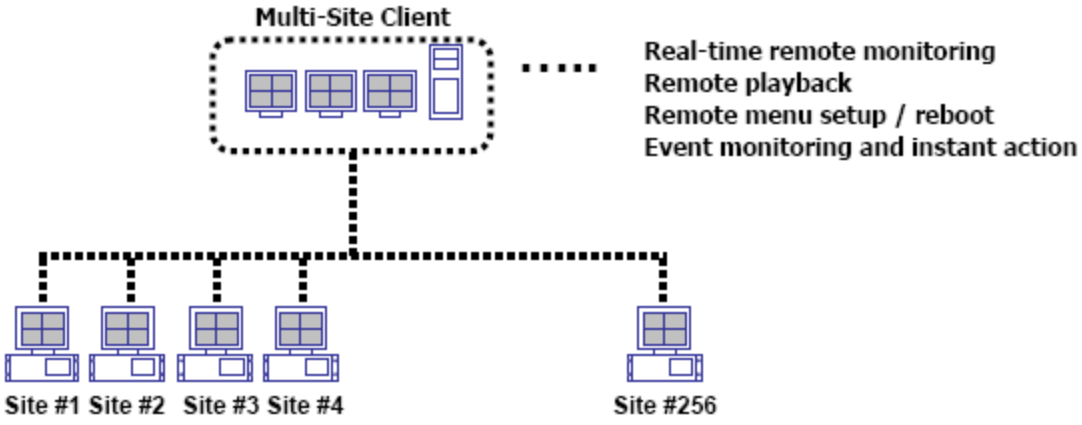
## Summary

Multi-Site Client is a new and advanced CMS (central monitoring software) which enables Real Time monitoring, remote playback, remote menu setup and event monitoring of multiple remote DVRT's through the internet.




## Feature Summary

- Simultaneous monitoring up to 72 remote DVRT's 1/4/9/16/25/36 screen split mode
- Real time monitoring through pop-up viewer
- Real Time video streaming recording
- Remote playback
- Remote PTZ control
- Event management and instant action (beep, sensor and Two-Way Voice communication)
- Remote menu setup and rebooting
- Group and site information management by database function
- Bookmark functions for storing different site and channel combinations

## System Requirements

- CPU: Pentium 4 1.7Ghz or above
- Motherboard: Intel chipset
- Operating System: Windows 2000 or XP (with the latest Service Pack)
- Memory 256Mbyte or above
- HDD: 40Gbyte or above
- VGA: AGP VGA 32Mbyte / Color Setting High Color (16 bit) or above
- Internet Environment: T1 or xDSL (1Mb) or above
- Direct X: Version 8.1 or above
- Required ports to open on router or firewall:

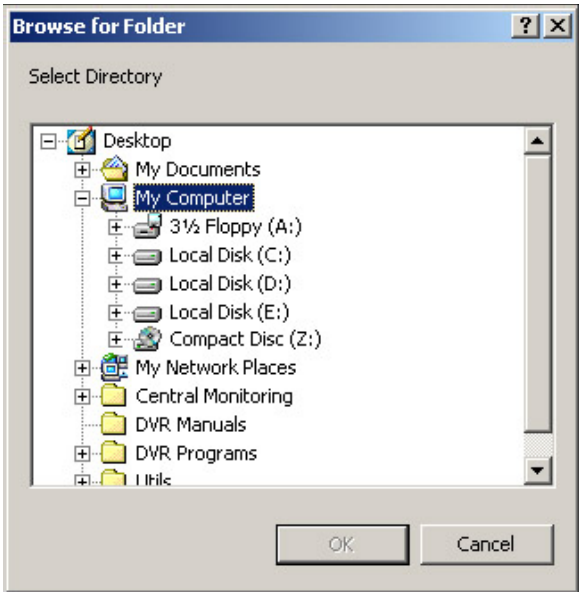
TCP 8100: for video streaming
TCP/UDP 4000 and 5500: for remote control of DVRT

# Multi-Site Client Installation

1) Run Setup.exe from the Product CD or download the program from the internet to install the Multi-Site Client.

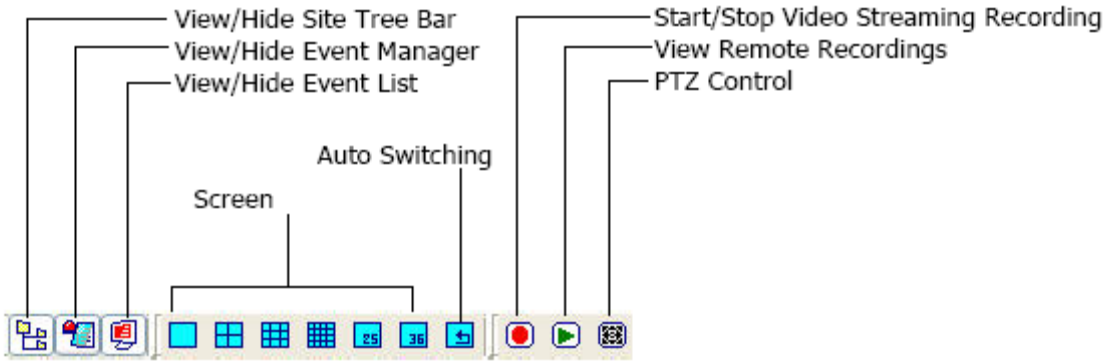
2) Reboot the system after the completion of the installation.
3) Double click the shortcut of Multi-Site Client on the desktop to run the Multi-Site Client.

4) Select the location for recording streaming video.



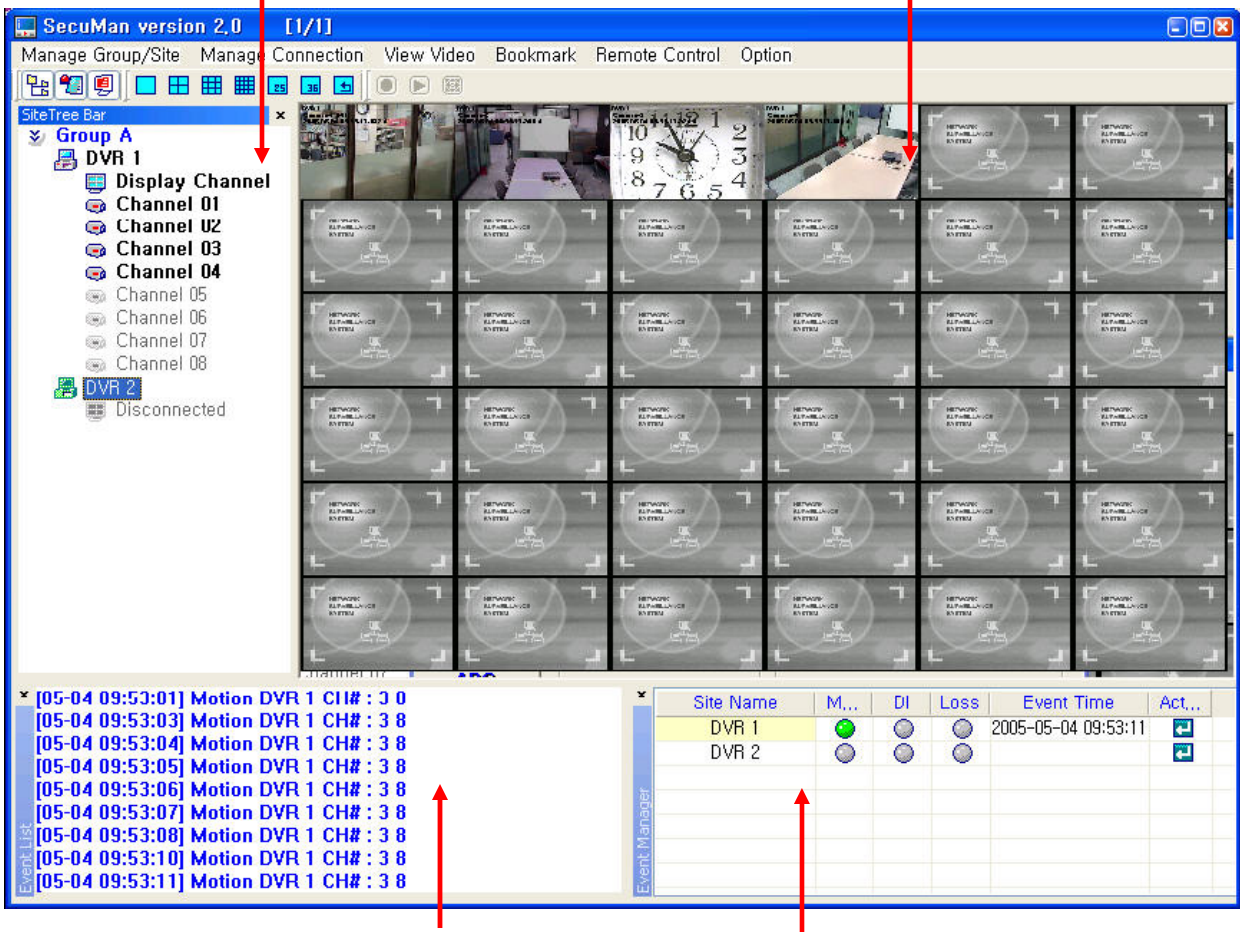

5) The “RemoteRecData” folder will be created in the location you select.

# Multi-Site Client Overview




**Site Tree Bar**: Shows multiple remote DVRT's under different groups

**Multi-Site Viewer** : Shows remote video channels which are turned on




**Event List**: Shows Real Time events happening at each remote DVRT (motion, sensor and video loss)

**Event Manager**: Instant action can be taken when an event occurs (beep or alarm output)

# Add / Delete New Group

DVRT's can be arranged in groups to simplify the management of multiple sites. Use the "Manage Group/Site Tab" or right-mouse click on the "Site Tree Bar" to open the lists below. Add a group the DVRT you would like to associate with the new group.

**Manage Group/Site Tab Menu**

**Right-mouse-click Menu**

1) **Add New Group:** Left click "Add New Group". Enter the group name, when the "Add New Group" window opens, left click the "Register" button to save the setting.

2) **Delete Group:** Select "Delete Group".
Before running "Delete Group", delete all sites belonging to the group in advance.

3) **Rename Group:** Select "Rename Group". Enter new name. Then left click the "Rename" button to save the setting.

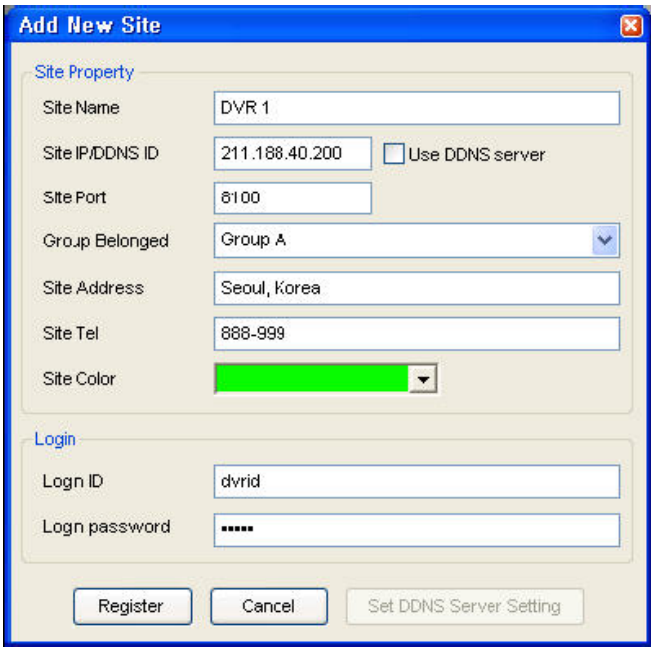
# Adding / Deleting Remote DVRT's under Groups

You can add remote DVRT's to any group using the "Manage Group/Site Tab" or right mouse-click on the specific group from the "Site Tree Bar". First add a group and then add the Site (DVRT) you would like to associate with the new group.

**Manage Group/Site Tab Menu**

**Right-mouse-click Menu**

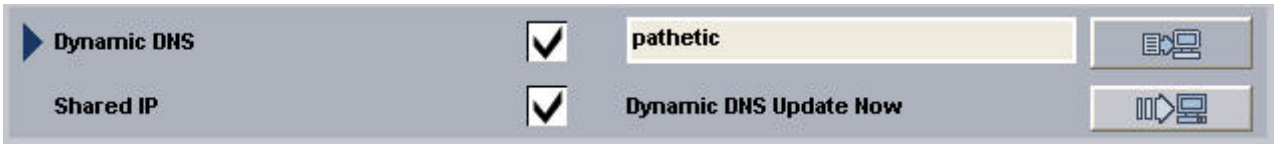
**1) Add New Site:** Left click "Add New Site". Enter the required information and left click the "Register" button to save the settings.




**Site Name:** Name the Site.
**Site IP Address:** Enter the IP address of the DVRT or enter the name registered with the DDNS Server.

# Adding / Deleting Remote DVRT's under Groups (cont.)

**1) Add New Site (cont.):**
When using a Dynamic DNS from server (DVRT), enter the ID and check the "Use DDNS server" option. The ID must be the same as the one registered on the DVRT under "Network Setup" as shown below. Forward Port TCP 200 (or any other if changed) to the DVRT.




**Group Belonged:** Select the group to associate the DVRT - from the pull-down list.
**Site Address:** Enter the IP Address of the location.
**Site Tel:** Enter the phone number of the location.
**Login ID:** Enter ID registered in the "User Registration Menu" of the DVRT.
**Login Password:** Enter the Password registered in the "User Registration Menu" of the DVRT.

**2) Delete Site:** Select "Delete Site".

**3) Site Info:** Select "Site Property" to correct the site information or view site status.

# Connecting to Remote DVRT's

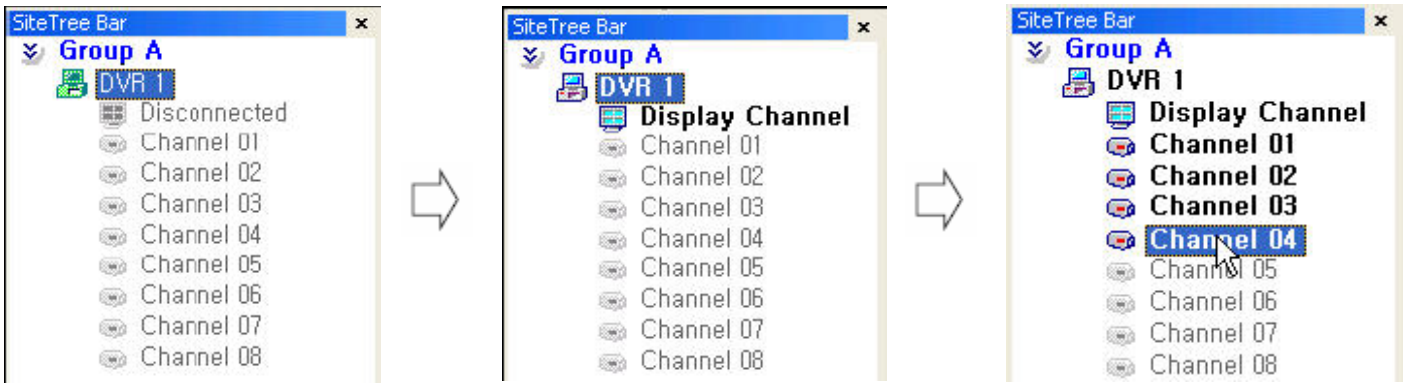
Connect to the DVRT Site to view video from a remote DVRT. Use the "Manage Connection Tab" or right-mouse-click on the specific site on "Site Tree Bar" to open the connection menu.

**Manage Connection Tab Menu**

**Right-mouse-click Menu**

Forward TCP 8100 port (or any other if changed) to the DVRT before connecting.

**1) Connect Site:** Select "Connect Site". After connecting, the site will appear on the "Site Tree Bar". Expand the Video Channel List by double-clicking on the remote DVRT name.




**2) Connect All Sites:** Connects all remote DVRT sites registered.
**3) Disconnect All Sites:** Disconnects all remote DVRT sites registered.
**4) Connect All In Group:** Connects all remote DVRT sites in the group.
**5) Disconnect All In Group:** Disconnects all remote DVRT sites in the group.
**6) Disconnect Site:** Disconnects the site selected.

# Viewing Remote Video Channels

You can also use the “View Video Tab” or right-mouse-click on the specific site on “Site Tree Bar”.

**View Video Tab Menu**

View All Channel In Group
Clear All Channel In Group
View All Channel In Site
Clear All Channel In Site
View Site On Pop-up Viewer

**Right-mouse-click Menu**

**1) View All Channel In Site:** Displays all the video channels of the remote DVRT.
**2) Clear All Channel In Site:** Clears all the video channels displayed from the remote DVRT.
**3) View All Channel In Group:** Displays all the video channels.
**4) Clear All Channel In Group:** Clears all the video channels.
**5) View Site On Pop-up Viewer:** Displays all the video channels in a separate pop-up viewer. (When additional PC monitors are connected, you can view multiple sites on separate monitors simultaneously.)

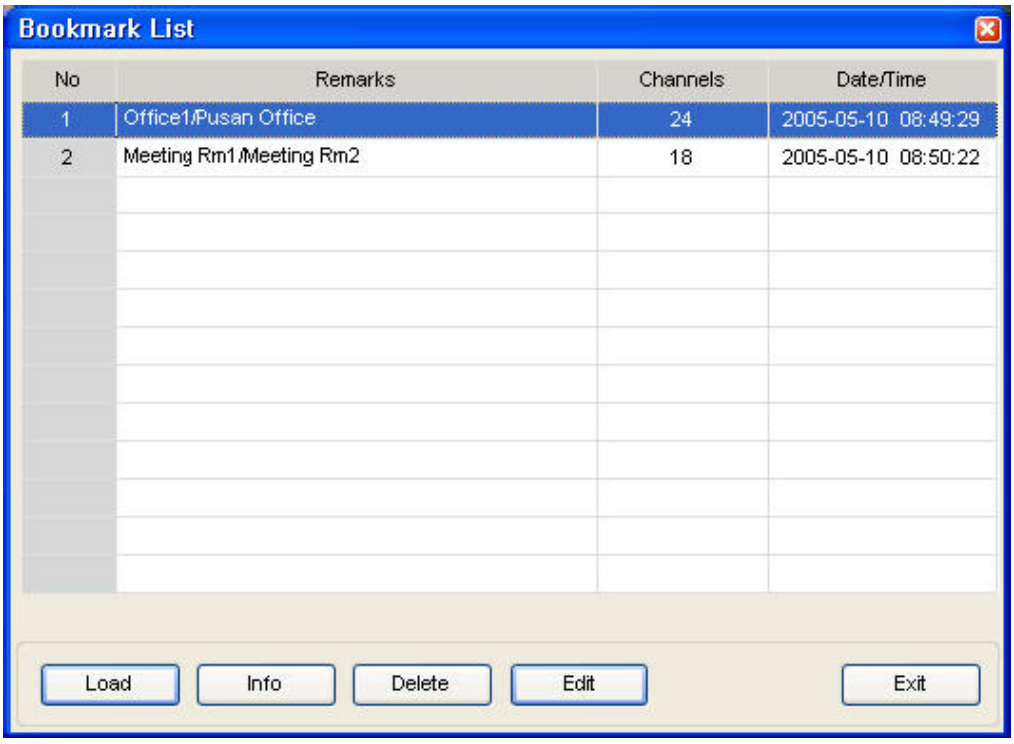
# Bookmarking Connections

You can save video connection combinations to a bookmark and retrieve them from the bookmark list.

**1) Add Bookmark:**
After connecting video channels from multiple remote sites, select “Add Bookmark” from the drop down list of the Bookmark Tab. The current connections will be saved to the bookmark list.

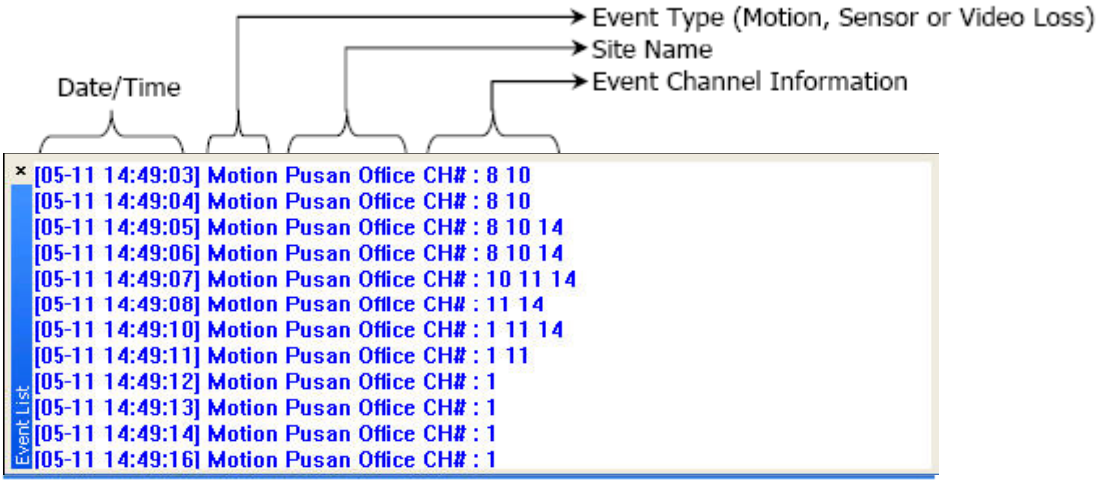
**2) Retrieving Stored Connections from the Bookmark List:**
Select “Bookmark List” from the drop down list of the Bookmark Tab.

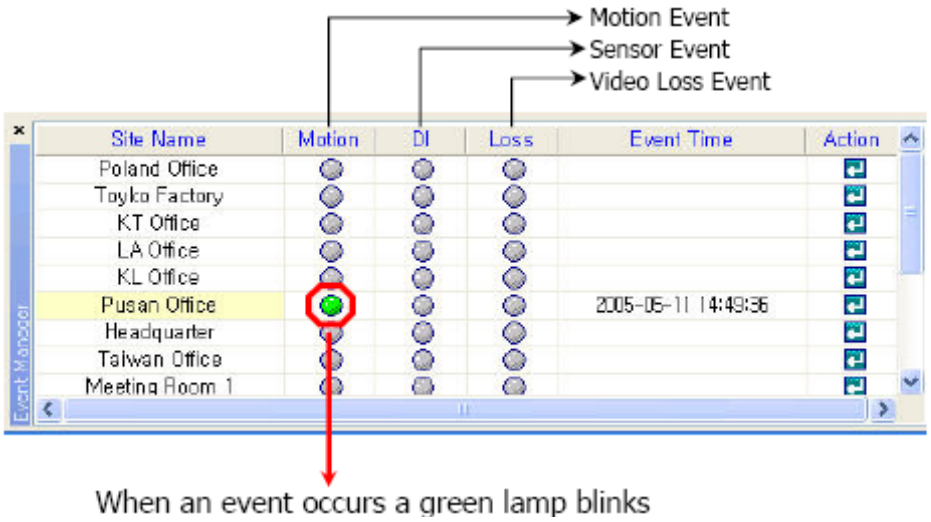
The list below will be displayed. Select one bookmark and left click “Load”. The saved connections will be restored. To preview the bookmark information before connecting, left click “Info”.

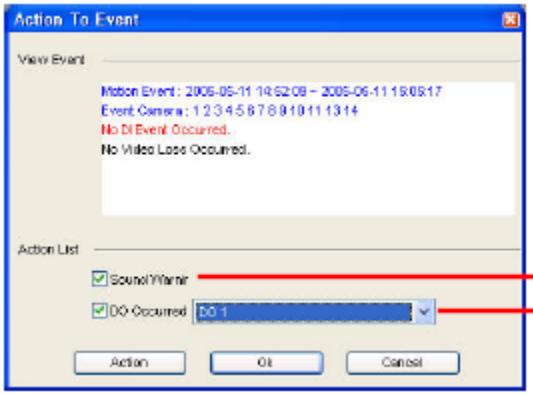


# Event Management

You can monitor Real Time event information (motion, sensor and video loss) using the Event List and take instant action (beep and alarm output) through the Event Manager.


Event Type (Motion, Sensor or Video Loss)
Site Name
Event Channel Information
Date/Time
Event List
[05-11 14:49:03] Motion Pusan Office CH# : 8 10
[05-11 14:49:04] Motion Pusan Office CH# : 8 10
[05-11 14:49:05] Motion Pusan Office CH# : 8 10 14
[05-11 14:49:06] Motion Pusan Office CH# : 8 10 14
[05-11 14:49:07] Motion Pusan Office CH# : 10 11 14
[05-11 14:49:08] Motion Pusan Office CH# : 11 14
[05-11 14:49:10] Motion Pusan Office CH# : 1 11 14
[05-11 14:49:11] Motion Pusan Office CH# : 1 11
[05-11 14:49:12] Motion Pusan Office CH# : 1
[05-11 14:49:13] Motion Pusan Office CH# : 1
[05-11 14:49:14] Motion Pusan Office CH# : 1
[05-11 14:49:16] Motion Pusan Office CH# : 1




You can take instant action pressing Action button, select Beep Sound or Alarm Output to remote DVRT.

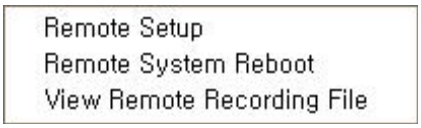
Beep Sound through PC Speaker

Alarm Output

# Remote Setup of DVRT's

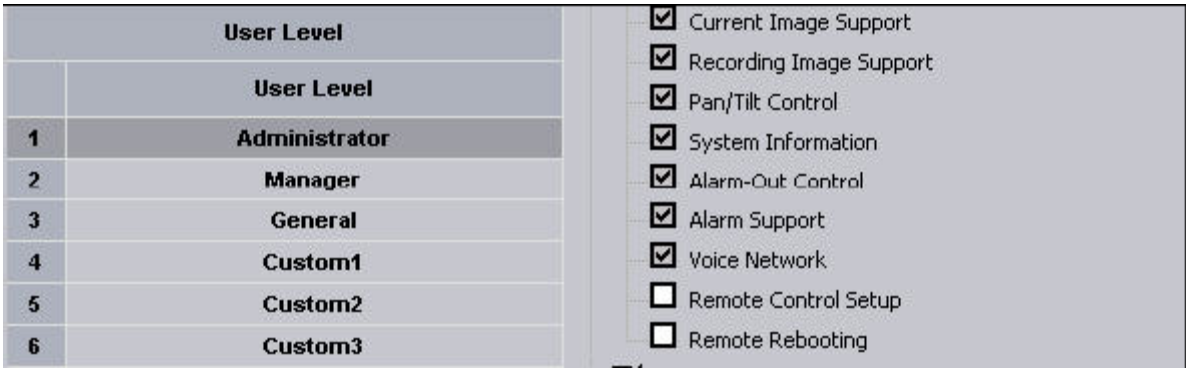
You can reboot or enter the setup menu of the remote DVRT using the "Remote Control" Tab.

**Remote Control Menu**




**Right-mouse-click Menu**

**1) Remote Setup:** Shows the Setup Menu of the Remote DVRT (The User ID must have a user level with the "Remote Control Setup" enabled in the "User Setup Menu" on the remote DVRT).
**2) Remote System Reboot:** Reboots the DVRT (The User ID must have a user level with the "Remote Control Setup" and "Remote Reboot" option enabled from the "User Setup Menu" on the remote DVRT).

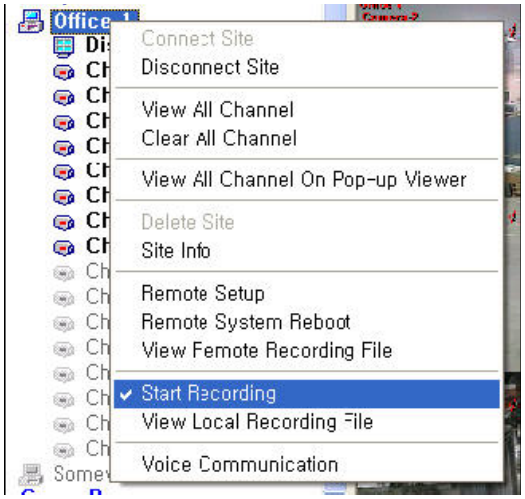



User Registration Menu > User Level > Network

# Recording Video from Remote DVRT's

### 1) Start Video Streaming Recording

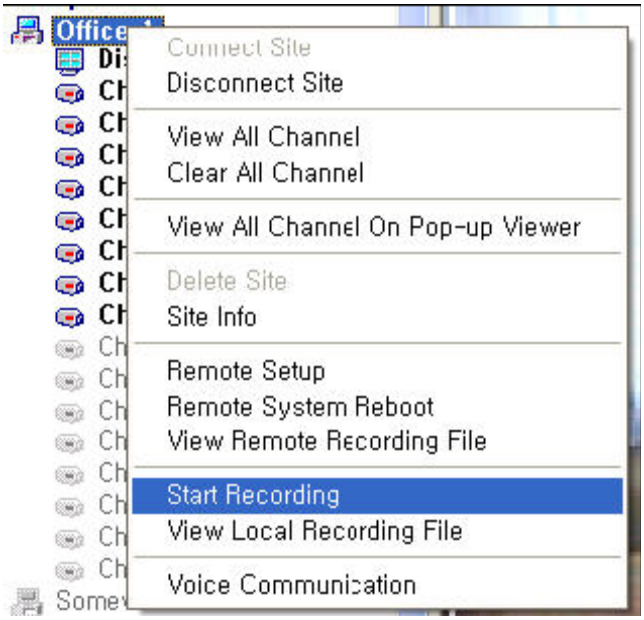
Select a remote site to record. Right-mouse-click the site name and select "Start Recording" from the menu.




Video images from the connected video channels will be recorded to the location selected when the software was installed. While recording, video channels will have "Rec" in the camera view (top right corner).

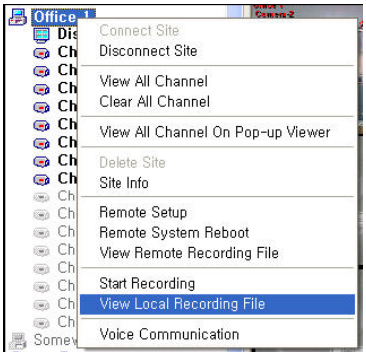
### 2) Stop Video Streaming Recording

To stop the video from recording, select "Start Recording" one more time or right-mouse-click the site name and select "Start Recording" from the menu.

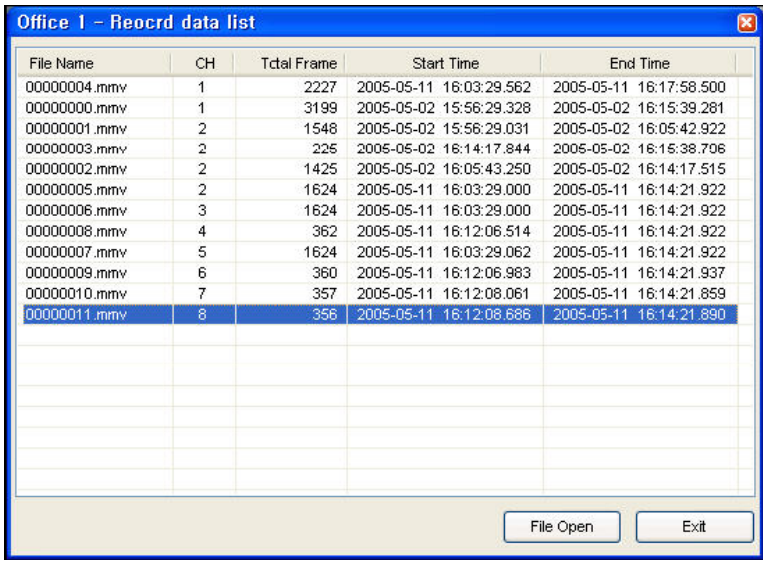


# Playing Video Recorded Locally

Right-mouse-click the menu on the site name and select “View Local Recording File” from the menu.



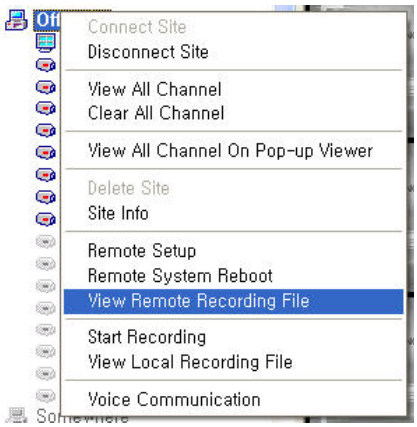

Select a file or multiple files from the list and left click “File Open”.



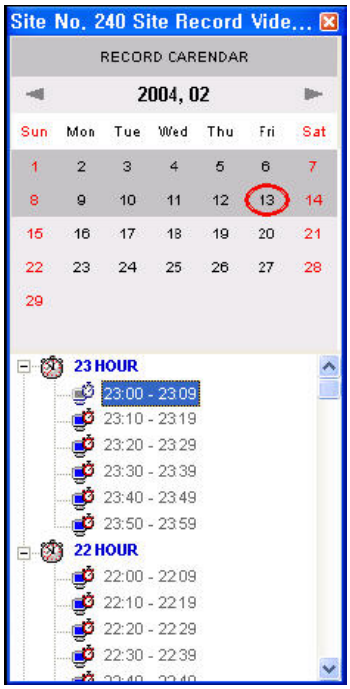

One channel of recorded video will playback.

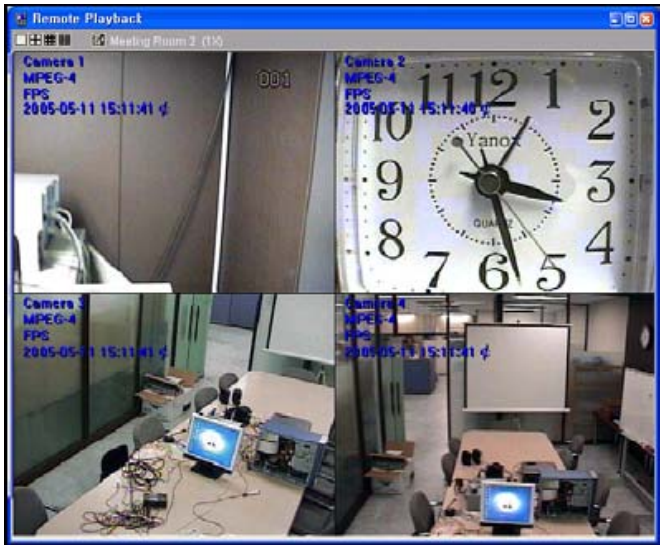
# Searching Video on Remote DVRT's

Right-mouse-click the menu on the site name and select "View Remote Recording File" from the menu.



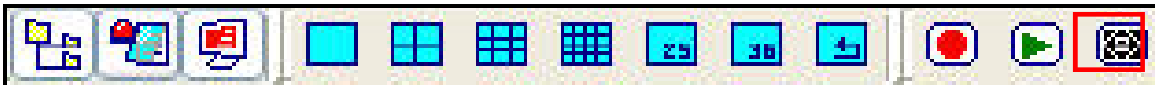

The Calendar will open, select the hour and double-click the file to open and play the video file.



# Remote PTZ Control

Left click an active/displayed camera and left click the Pan / Tilt / Zoom Icon from the Tool Bar to open the PTZ Controls.



The Detailed P/T/Z Control will be displayed.